

Title (en)
SIGNATURE RECOGNITION ON OPTICAL-FIBER CONNECTOR ENDFACES

Title (de)
SIGNATURERKENNUNG AN GLASFASERVERBINDERENDFLÄCHEN

Title (fr)
RECONNAISSANCE DE SIGNATURE SUR DES EXTRÉMITÉS DES CONNECTEURS À FIBRE OPTIQUE

Publication
EP 3786677 A1 20210303 (EN)

Application
EP 20192942 A 20200826

Priority
US 201962894080 P 20190830

Abstract (en)
There is therefore provided a method, system and computer program for detecting duplicate optical-fiber connector endface inspections performed on a same optical-fiber connector. Duplicate optical-fiber connector endface inspections can be detected by extracting a signature of the optical-fiber connector endface from the acquired optical-fiber connector endface inspection image to uniquely identify the optical-fiber connector and detect duplicate optical-fiber connector endface inspections. The signature can be stored to help detection of inadvertent or fraudulent duplicate or repetitive measurements made on a same optical-fiber connector.

IPC 8 full level
G02B 6/38 (2006.01); **G01M 11/00** (2006.01); **G06K 9/00** (2006.01)

CPC (source: CN EP US)
G01M 11/30 (2013.01 - EP); **G01M 11/3136** (2013.01 - US); **G01M 11/3145** (2013.01 - US); **G01N 21/8851** (2013.01 - EP); **G02B 6/385** (2013.01 - EP); **G02B 6/3866** (2013.01 - EP); **G06T 7/0004** (2013.01 - CN US); **G06T 7/13** (2016.12 - CN); **G06T 7/136** (2016.12 - CN); **G06T 7/62** (2016.12 - US); **G06V 20/80** (2022.01 - EP); **G01N 21/952** (2013.01 - EP); **G06T 2207/10056** (2013.01 - US); **G06T 2207/10061** (2013.01 - CN); **G06T 2207/30108** (2013.01 - US); **G06T 2207/30204** (2013.01 - CN)

Citation (search report)
• [A] US 5179419 A 19930112 - PALMQUIST JOHN M [US], et al
• [A] US 5809162 A 19980915 - CSIPKES ANDREI [US], et al
• [A] WO 2012177821 A1 20121227 - AFL TELECOMMUNICATIONS LLC [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3786677 A1 20210303; **EP 3786677 B1 20230125**; CN 112529832 A 20210319; US 11821808 B2 20231121; US 2021063274 A1 20210304

DOCDB simple family (application)
EP 20192942 A 20200826; CN 202010889566 A 20200828; US 202016944853 A 20200731